

In the ClaimsRECEIVED
CENTRAL FAX CENTER

JUN 20 2007

What is claimed is:

1. (original) An Aqueous Film Forming Foam formulation comprising R_F - Q_s ,
wherein:

R_F has a greater affinity for a first part of a system having at least two parts than

Q_s ;

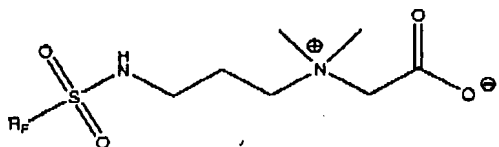
Q_s has a greater affinity for a second part of the system than R_F ; and

R_F comprises at least two $-CF_3$ groups and at least two hydrogens.

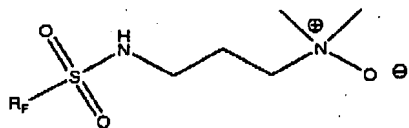
2. (original) The formulation of claim 1 wherein R_F is hydrophobic relative to Q_s .
3. (original) The formulation of claim 1 wherein Q_s is hydrophilic relative to R_F .
4. (original) The formulation of claim 1 wherein R_F is hydrophobic and Q_s is hydrophilic.
5. (original) The formulation of claim 1 wherein R_F comprises at least one $-CH_2-$ group.
6. (original) The formulation of claim 1 wherein R_F comprises at least one cyclic group.
7. (original) The formulation of claim 6 wherein the cyclic group comprises an aromatic group.

8. (original) The formulation of claim 1 wherein R_F comprises at least one $(CF_3)_2CF-$ group.
9. (original) The formulation of claim 1 wherein R_F comprises at least three $-CF_3$ groups.
10. (original) The formulation of claim 1 wherein R_F comprises at least two $(CF_3)_2CF-$ groups.
11. (original) The formulation of claim 1 wherein R_F comprises at least four carbons and one of the four carbons comprises a $-CH_2-$ group.

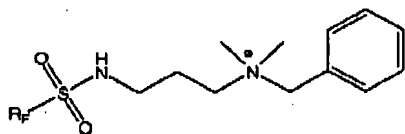
12. (original) The formulation of claim 1 wherein R_F-Q_3 is



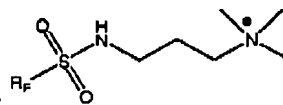
13. (original) The formulation of claim 1 wherein R_F-Q_3 is



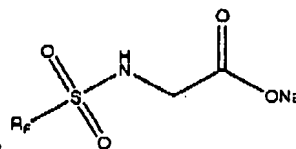
14. (original) The formulation of claim 1 wherein R_F-Q_3 is



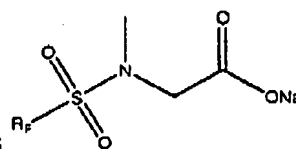
15. (original) The formulation of claim 1 wherein R_F-Q_8 is



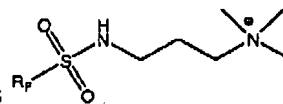
16. (original) The formulation of claim 1 wherein R_F-Q_8 is



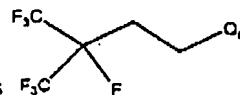
17. (original) The formulation of claim 1 wherein R_F-Q_8 is



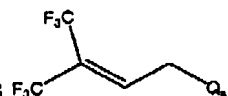
18. (original) The formulation of claim 1 wherein R_F-Q_8 is



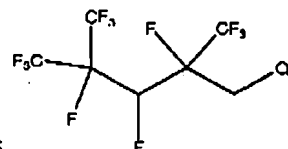
19. (original) The formulation of claim 1 wherein R_F-Q_8 is



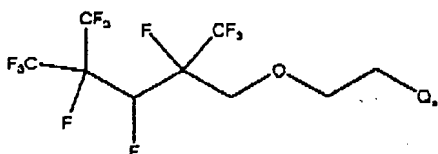
20. (original) The formulation of claim 1 wherein R_F-Q_8 is



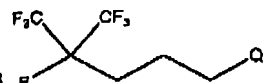
21. (original) The formulation of claim 1 wherein R_F-Q_8 is



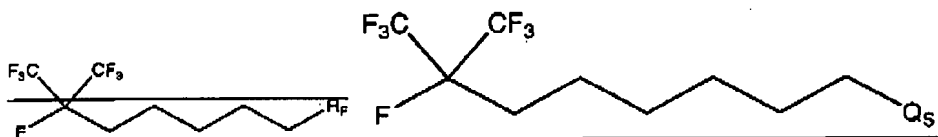
22. (original) The formulation of claim 1 wherein R_F-Q_8 is



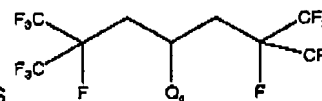
23. (original) The formulation of claim 1 wherein R_F-Q_8 is



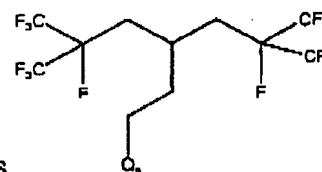
24. (currently amended): The formulation of claim 1 wherein R_F-Q_8 is



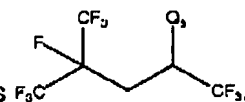
25. (original) The formulation of claim 1 wherein R_F-Q_8 is



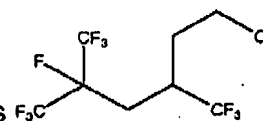
26. (original) The formulation of claim 1 wherein R_F-Q_8 is



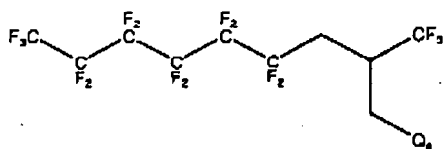
27. (original) The formulation of claim 1 wherein R_F-Q_8 is



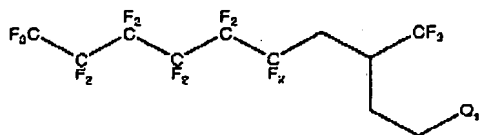
28. (original) The formulation of claim 1 wherein R_F-Q_8 is



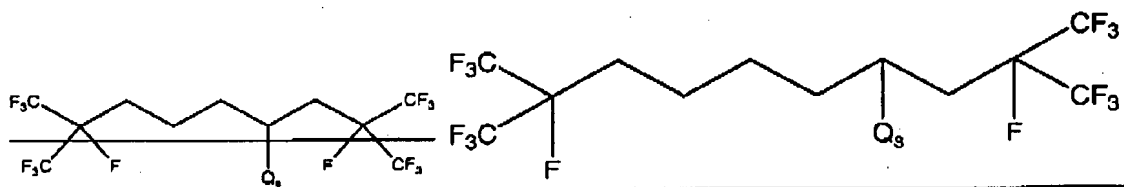
29. (original) The formulation of claim 1 wherein R_F-Q_5 is



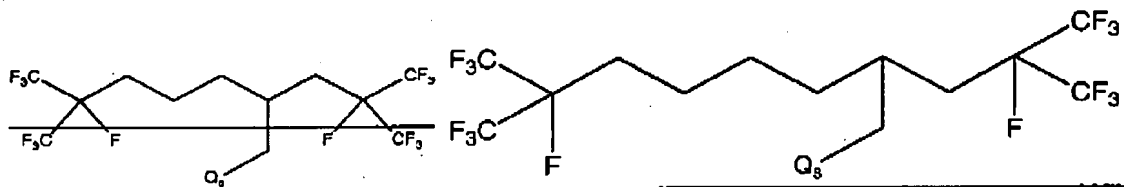
30. (original) The formulation of claim 1 wherein R_F-Q_6 is



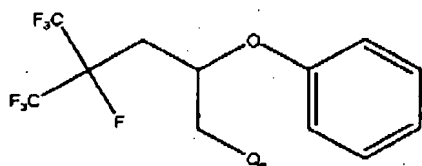
31. (currently amended): The formulation of claim 1 wherein R_F-Q_8 is



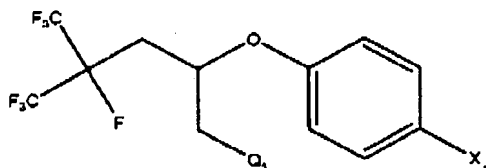
32. (currently amended): The formulation of claim 1 wherein R_F-Q_8 is



33. (original) The formulation of claim 1 wherein R_F-Q_9 is



34. (original) The formulation of claim 1 wherein R_F-Q_6 is



35-70 (cancelled).

71. (original) A foam stabilizer comprising R_F-Q_{FS} , wherein R_F is hydrophobic relative to Q_{FS} , R_F comprising at least two $-CF_3$ groups and at least two hydrogens.

72. (original) The stabilizer of claim 71 wherein R_F comprises at least one $-CH_2-$ group.

73. (original) The stabilizer of claim 71 wherein R_F comprises at least one cyclic group.

74. (original) The stabilizer of claim 73 wherein the cyclic group comprises an aromatic group.

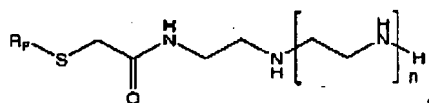
75. (original) The stabilizer of claim 71 wherein R_F comprises at least one $(CF_3)_2CF-$ group.

76. (original) The stabilizer of claim 71 wherein R_F comprises at least three $-CF_3$ groups.

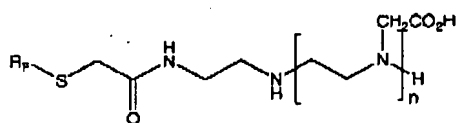
77. (original) The stabilizer of claim 71 wherein R_F comprises at least two $(CF_3)_2CF-$ groups.

78. (original) The stabilizer of claim 71 wherein R_F comprises at least four carbons and one of the four carbons comprises a $-CH_2-$ group.

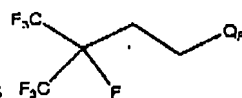
79. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is



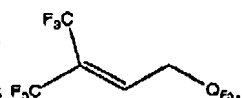
80. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is



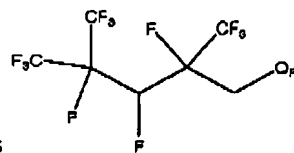
81. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is



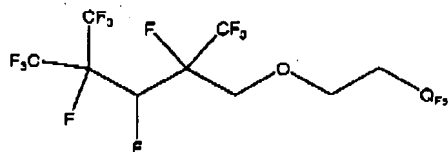
82. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is

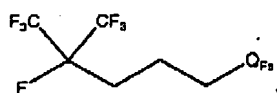


83. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is

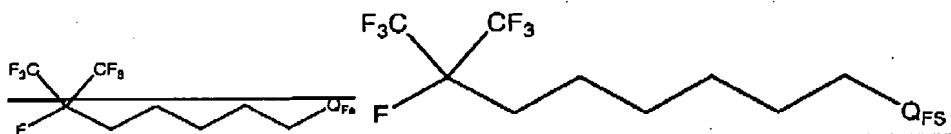


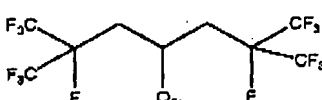
84. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is

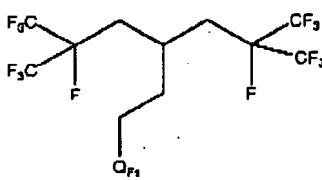


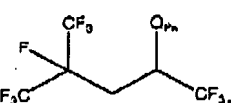
85. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is 

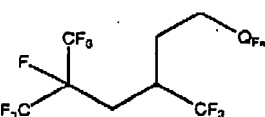
86. (currently amended): The stabilizer of claim 71 wherein R_F-Q_{FS} is



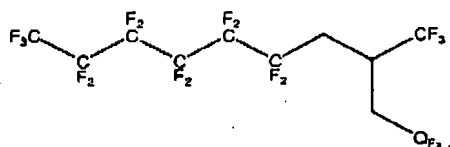
87. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is 

88. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is 

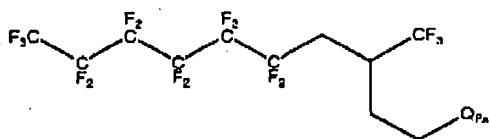
89. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is 

90. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is 

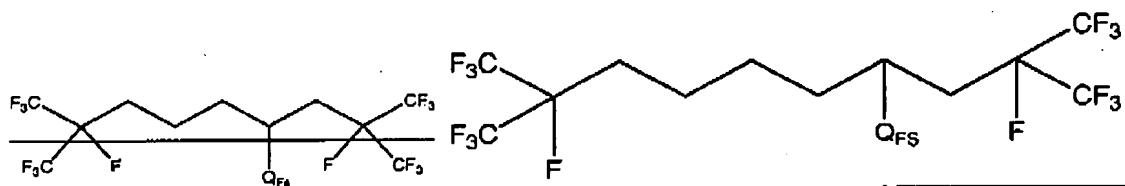
91. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is



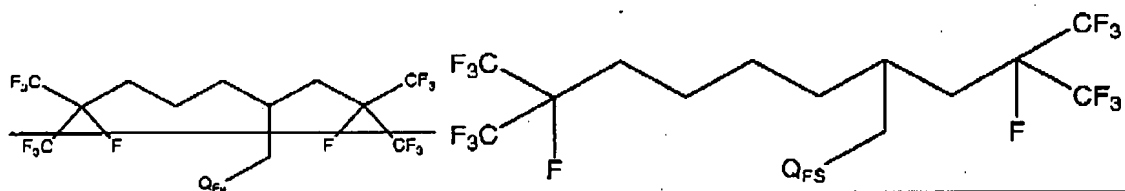
92. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is



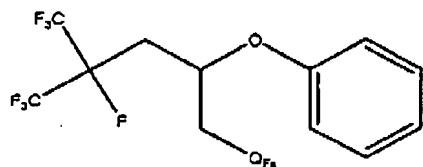
93. (currently amended): The stabilizer of claim 71 wherein R_F-Q_{FS} is



94. (currently amended): The stabilizer of claim 71 wherein R_F-Q_{FS} is



95. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is



96. (original) The stabilizer of claim 71 wherein R_F-Q_{FS} is

